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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/905,316	07/13/2001	Sze Cheng Yang	5065	6176
7.	590 11/12/2002			
Samuels, Gauthier & Stevens LLP Suite 3300 225 Franklin Street			EXAMINER	
			TRUONG, DUC	
Boston, MA 02110			ART UNIT	PAPER NUMBER
			1711	5
			DATE MAILED: 11/12/2002	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
	09/905,316	YANG, SZE CHENG				
Office Action Summary	Examiner	Art Unit				
	Duc Truong	1711				
The MAILING DATE of this communication app Period for Reply	ears on the cov rsh et with the c	orrespondence address				
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, - Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b). Status	66(a). In no event, however, may a reply be time within the statutory minimum of thirty (30) days will apply and will expire SIX (6) MONTHS from a cause the application to become ABANDONED	ely filed will be considered timely. the mailing date of this communication. (35 U.S.C. § 133).				
1) Responsive to communication(s) filed on						
, <u> </u>	s action is non-final.					
closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213. Disposition of Claims						
4) \boxtimes Claim(s) <u>1-7</u> is/are pending in the application.						
4a) Of the above claim(s) is/are withdrawn from consideration.						
5) Claim(s) is/are allowed.						
6)⊠ Claim(s) <u>1-7</u> is/are rejected.						
7) Claim(s) is/are objected to.						
8) Claim(s) are subject to restriction and/or election requirement.						
Application Papers						
9) The specification is objected to by the Examiner.						
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
11) The proposed drawing correction filed on is: a) approved b) disapproved by the Examiner.						
If approved, corrected drawings are required in reply to this Office action.						
12) The oath or declaration is objected to by the Examiner.						
Priority under 35 U.S.C. §§ 119 and 120						
13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).						
a) All b) Some * c) None of:						
1. Certified copies of the priority documents		on No				
2. Certified copies of the priority documents have been received in Application No						
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.						
14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).						
a) The translation of the foreign language provisional application has been received. 15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.						
Attachment(s)						
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449) Paper No(s) 4 5) Notice of Informal Patent Application (PTO-152) 6) Other:						
S. Patent and Trademark Office						

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DETAILED ACTION

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-7 are rejected under 35 U.S.C. 103(a) as being unpatentable over Liu et al of record on 1449 or WO 9703127.

Liu discloses a template guided chemical polymerization was used to obtain a polymeric complex that contained a strand of a conductive polymer and a strand of a polyelctrolyte. The reaction product is a non-covalently bonded molecular complex between a conducting polymer and a polyelectrolyte (see col. 3, lines 39-48).

Note that the conducting polymer comprising polyaniline, polypyrrole, polythiophene, polyacetylene (see col. 3, lines 35-38).

Note also that the polyelectrolytes comprising poly(butadiene-maleic acid) or its salt form, poly(methacrylic acid) and copolymers thereof---(see col. 3, lines 26-33) WO 9703127 discloses a coating comprises a polymeric complex composed of two or more strands wherein one strand is a conductive polymer such as polyaniline and the other strand is an ionic functional group containing copolymer such as carboxylate functional polyacrylate (see Abstract).

Note that the conductive polymer comprising polyaniline, polypyrole, polythiophene, polyacetylene (see page 7, lines 29-33).

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Note also that the polyelectrolyte is selected from polymers with anionic functional group comprising poly(butadiene-maleic acid) or its alt form, poly(methacrylic acid) and complexes thereof---(see page 7, lines 20-28).

The disclosure of the references differ from the instant claims in that they do not disclose the condition in that the reactive functional group of said conductive polymer facilitates the crosslinkage between the polymeric complexes when the complexes are heated.

However, the references do disclose the required components, a conjugated polymer and a very specific polyelectrolyte, as in the claims. Therefore, it would have been obvious to one ordinary skill in the art to select the reactants under the claimed condition since they have been shown to be effective in a similar system and thus would have been expected to provide adequate results. There is no showing of unexpected results derived from said use.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Duc Truong whose telephone number is 703-308-2437. The examiner can normally be reached on Monday-Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, James Seidleck can be reached on 703-308-2462. The fax phone numbers for the organization where this application or proceeding is assigned are 703-872-9791 for regular communications and 703-872-9311 for After Final communications.



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Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0661.

DT November 8, 2002 DUCTRUONG
PRIMARY EXAMINER